Special Issue

Design, Synthesis, and Applications of Multifunctional Metal-Organic Framework Composites

Message from the Guest Editor

Dear Colleague, Metal–organic frameworks (MOFs) are a class of very promising porous crystalline materials whose structure is composed of metal ion nodes and organic linkers. However, MOFs exhibit some weak points, including poor chemical stability, which primarily hamper their full potential use. Combining MOFs with a variety of nanoparticles is leading to the formation of novel multifunctional composites, which display high performance that is superior to that of individual components. This is a rapidly developing research area. This Special Issue will publish original research papers, review articles, and progress reports that are intentionally broad, covering all aspects of novel MOF-based porous nanocomposites, and the design, development, and use of nanocomposites and nanotechnologies for multifunctional applications.

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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